BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Modified Estimate for Construction of RCC drains and culverts at Brundavan layout, Hariraja layout, Hanumappa layout and surrounding area in ward no: 03 Yelahanka satellite Town Sub division

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.								
	RCC Drain	Cum							
	Brundhavan Layout								
	1st main road East side		1	154.40	1.10	0.90	152.86		
	1st cross road North side		1	24.10	1.10	0.90	23.86		
	1st cross road South side		1	32.30	1.10	0.90	31.98		
	1st Main road West side		1	165.50	1.10	0.90	163.85		
	2nd Main road East side		1	149.40	1.10	0.90	147.91		
	2nd Main road west side		1	152.30	1.10	0.90	150.78		
	Cross road north side		1	24.60	1.10	0.90	24.35		
	Cross road south side		1	24.60	1.10	0.90	24.35		
	BHEL Layout								
	10th CROSS road East side		1	156.20	1.10	0.90	154.64		
	10th CROSS road WEST side		1	162.10	1.10	0.90	160.48		
	8th CROSS road WEST side		1	30.40	1.10	0.90	30.10		
	8th CROSS road EAST side		1	18.60	1.10	0.90	18.41		
	1st MAIN road NORTH side		1	105.00	1.10	0.90	103.95		
	1st MAIN road SOUTH side		1	102.80	1.10	0.90	101.77		
	11th CROSS road East side		1	59.00	1.10	0.90	58.41		
	11th CROSS road West side		1	59.00	1.10	0.90	58.41		
	9th CROSS road East side		1	67.00	1.10	0.90	66.33		
	9th CROSS road WEST side		1	67.00	1.10	0.90	66.33		
	Hariraja Layout West side		1	86.40	1.10	0.90	85.54		
	Hariraja Layout East side		1	88.50	1.10	0.90	87.62		
	3rd cross South side		1	118.50	1.10	1.00	130.35		
	For Kerb Stone								
	Brundhavan Layout								
	1st main road East side		1	154.40	0.20	0.20	6.18		
	1st cross road North side		1	24.10	0.20	0.20	0.96		
	1st cross road South side		1	32.30	0.20	0.20	1.29		
	1st Main road West side		1	165.50	0.20	0.20	6.62		
	2nd Main road East side		1	149.40	0.20	0.20	5.98		
	2nd Main road west side		1	152.30	0.20	0.20	6.09		
	Cross road north side		1	24.60	0.20	0.20	0.98		
	Cross road south side		1	24.60	0.20	0.20	0.98		
	BHEL Layout								
	10th CROSS road East side		1	156.20	0.20	0.20	6.25		
	10th CROSS road WEST side		1	162.10	0.20	0.20	6.48		
	8th CROSS road WEST side		1	30.40	0.20	0.20	1.22		
	8th CROSS road EAST side		1	18.60	0.20	0.20	0.74		
	1st MAIN road NORTH side		1	105.00	0.20	0.20	4.20		
	1st MAIN road SOUTH side		1	102.80	0.20	0.20	4.11		
	11th CROSS road East side		1	59.00	0.20	0.20	2.36		
	11th CROSS road West side		1	59.00	0.20	0.20	2.36		
	9th CROSS road East side		1	67.00	0.20	0.20	2.68		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	9th CROSS road WEST side		1	67.00	0.20	0.20	2.68		
	Hariraja Layout West side		1	86.40	0.20	0.20	3.46		
	Hariraja Layout East side		1	88.50	0.20	0.20	3.54		
	Culvert		8	7.08	1.20	1.00	67.97		
							1979.39	211.79	419215.86
	Approved Rate Rs.=	211.79							
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification								
	RCC Drain	Cum							
	Brundhavan Layout								
	1st main road East side		1	154.40	1.10	0.15	25.48		
	1st cross road North side		1	24.10	1.10	0.15	3.98		
	1st cross road South side		1	32.30	1.10	0.15	5.33		
	1st Main road West side		1	165.50	1.10	0.15	27.31		
	2nd Main road East side		1	149.40	1.10	0.15	24.65		
	2nd Main road west side		1	152.30	1.10	0.15	25.13		
	Cross road north side		1	24.60	1.10	0.15	4.06		
	Cross road south side		1	24.60	1.10	0.15	4.06		
	BHEL Layout								
	10th CROSS road East side		1	156.20	1.10	0.15	25.77		
	10th CROSS road WEST side		1	162.10	1.10	0.15	26.75		
	8th CROSS road WEST side		1	30.40	1.10	0.15	5.02		
	8th CROSS road EAST side		1	18.60	1.10	0.15	3.07		
	1st MAIN road NORTH side		1	105.00	1.10	0.15	17.33		
	1st MAIN road SOUTH side		1	102.80	1.10	0.15	16.96		
	11th CROSS road East side		1	59.00	1.10	0.15	9.74		
	11th CROSS road West side		1	59.00	1.10	0.15	9.74		
	9th CROSS road East side		1	67.00	1.10	0.15	11.06		
	9th CROSS road WEST side		1	67.00	1.10	0.15	11.06		
	Hariraja Layout West side		1	86.40	1.10	0.15	14.26		
	Hariraja Layout East side		1	88.50	1.10	0.15	14.60		
	3rd cross South side		1	118.50	1.10	0.15	19.55		
	For Kerb Stone								
	Brundhavan Layout								
	1st main road East side		1	154.40	0.20	0.10	3.09		
	1st cross road North side		1	24.10	0.20	0.10	0.48		
	1st cross road South side		1	32.30	0.20	0.10	0.65		
	1st Main road West side		1	165.50	0.20	0.10	3.31		
	2nd Main road East side		1	149.40	0.20	0.10	2.99		
	2nd Main road west side		1	152.30	0.20	0.10	3.05		
	BHEL Layout								
	10th CROSS road East side		1	156.20	0.20	0.10	3.12		
	10th CROSS road WEST side		1	162.10	0.20	0.10	3.24		
	8th CROSS road WEST side		1	30.40	0.20	0.10	0.61		
	8th CROSS road EAST side		1	18.60	0.20	0.10	0.37		
	1st MAIN road NORTH side		1	105.00	0.20	0.10	2.10		
	1st MAIN road SOUTH side		1	102.80	0.20	0.10	2.06		
	11th CROSS road East side		1	59.00	0.20	0.10	1.18		
	11th CROSS road West side		1	59.00	0.20	0.10	1.18		
	9th CROSS road East side		1	67.00	0.20	0.10	1.34		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	9th CROSS road WEST side		1	67.00	0.20	0.10	1.34		
	Hariraja Layout West side		1	86.40	0.20	0.10	1.73		
	Hariraja Layout East side		1	88.50	0.20	0.10	1.77		
	Culvert		8	7.08	1.20	0.15	10.20		
							348.67	4479.56	1561868.92
	Approved Rate Rs.=	4479.56							
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification								
		Ton							
	Steel for drain		1	580.10	0.06		34.52		
	Steel for culvert		1	26.05	0.09		2.34		
							36.86		
							36.86	72326.98	2666326.60
	Approved Rate Rs.=	72326.98							
4	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.								
	RCC Drain	Cum							
	Raft								
	Brundhavan Layout								
	1st main road East side		1	154.40	0.90	0.15	20.84		
	1st cross road North side		1	24.10	0.90	0.15	3.25		
	1st cross road South side		1	32.30	0.90	0.15	4.36		
	1st Main road West side		1	165.50	0.90	0.15	22.34		
	2nd Main road East side		1	149.40	0.90	0.15	20.17		
	2nd Main road west side		1	152.30	0.90	0.15	20.56		
	Cross road north side		1	24.60	0.90	0.15	3.32		
	Cross road south side		1	24.60	0.90	0.15	3.32		
	BHEL Layout								
	10th CROSS road East side		1	156.20	0.90	0.15	21.09		
	10th CROSS road WEST side		1	162.10	0.90	0.15	21.88		
	8th CROSS road WEST side		1	30.40	0.90	0.15	4.10		
	8th CROSS road EAST side		1	18.60	0.90	0.15	2.51		
	1st MAIN road NORTH side		1	105.00	0.90	0.15	14.18		
	1st MAIN road SOUTH side		1	102.80	0.90	0.15	13.88		
	11th CROSS road East side		1	59.00	0.90	0.15	7.97		
	11th CROSS road West side		1	59.00	0.90	0.15	7.97		
	9th CROSS road East side		1	67.00	0.90	0.15	9.05		
	9th CROSS road WEST side		1	67.00	0.90	0.15	9.05		
	Hariraja Layout West side		1	86.40	0.90	0.15	11.66		
	Hariraja Layout East side		1	88.50	0.90	0.15	11.95		
	3rd cross South side		1	118.50	0.90	0.15	16.00		
	Culvert Raft		8	7.08	1.20	0.25	16.99		
	Wall								
	Brundhavan Layout								

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	1st main road East side		2	154.40	0.15	0.59	27.33		
	1st cross road North side		2	24.10	0.15	0.59	4.27		
	1st cross road South side		2	32.30	0.15	0.60	5.81		
	1st Main road West side		2	165.50	0.15	0.60	29.79		
	2nd Main road East side		2	149.40	0.15	0.60	26.89		
	2nd Main road west side		2	152.30	0.15	0.60	27.41		
	Cross road north side		2	24.60	0.15	0.59	4.35		
	Cross road south side		2	24.60	0.15	0.59	4.35		
	BHEL Layout								
	10th CROSS road East side		2	156.20	0.15	0.60	28.12		
	10th CROSS road WEST side		2	162.10	0.15	0.59	28.69		
	8th CROSS road WEST side		2	30.40	0.15	0.60	5.47		
	8th CROSS road EAST side		2	18.60	0.15	0.52	2.90		
	1st MAIN road NORTH side		2	105.00	0.15	0.60	18.90		
	1st MAIN road SOUTH side		2	102.80	0.15	0.59	18.20		
	11th CROSS road East side		2	59.00	0.15	0.60	10.62		
	11th CROSS road West side		2	59.00	0.15	0.60	10.62		
	9th CROSS road East side		2	67.00	0.15	0.60	12.06		
	9th CROSS road WEST side		2	67.00	0.15	0.60	12.06		
	Hariraja Layout West side		2	86.40	0.15	0.60	15.55		
	Hariraja Layout East side		2	88.50	0.15	0.60	15.93		
	3rd cross South side		2	118.50	0.15	0.60	21.33		
	Culvert Wall		16	7.08	0.20	0.40	9.06		
							606.16	7070.20	**4285642.03**
	Approved Rate Rs =	7070.20							
5	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)								
		Sqm							
	Brundhavan Layout								
	1st main road East side		1	148.80	0.90	--	133.92		
	1st cross road North side		1	11.80	0.90	--	10.62		
	1st cross road South side		1	32.30	0.90	--	29.07		
	1st Main road West side		1	146.80	0.90	--	132.12		
	2nd Main road East side		1	131.60	0.90	--	118.44		
	2nd Main road west side		1	152.30	0.90	--	137.07		
	Cross road north side		1	24.60	0.90	--	22.14		
	Cross road south side		1	24.60	0.90	--	22.14		
	BHEL Layout								
	10th CROSS road East side		1	106.20	0.90	--	95.58		
	10th CROSS road WEST side		1	152.10	0.90	--	136.89		
	8th CROSS road WEST side		1	30.40	0.90	--	27.36		
	8th CROSS road EAST side		1	18.60	0.90	--	16.74		
	1st MAIN road NORTH side		1	90.00	0.90	--	81.00		
	1st MAIN road SOUTH side		1	76.80	0.90	--	69.12		
	11th CROSS road East side		1	59.00	0.90	--	53.10		
	11th CROSS road West side		1	59.00	0.90	--	53.10		
	9th CROSS road East side		1	67.00	0.90	--	60.30		
	9th CROSS road WEST side		1	67.00	0.90	--	60.30		

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Hariraja Layout West side		1	86.40	0.90	--	77.76		
	Hariraja Layout East side		1	88.50	0.90	--	79.65		
	3rd cross South side		1	118.50	0.90	--	106.65		
							1523.07	2337.00	3559414.59
	Approved Rate Rs.=	2337.00							
6	Providing and laying Pre Cast Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)								
		Sqm							
	Culvert		8	7.08	1.20	--	67.92		
							67.92	5418.00	367990.56
	Approved Rate Rs.=	5418.00							
7	Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete.								
		Nos							
	Brundhavan Layout								
	1st main road East side		1	154.40			344.00		
	1st cross road North side		1	24.10			54.00		
	1st cross road South side		1	32.30			72.00		
	1st Main road West side		1	165.50			368.00		
	2nd Main road East side		1	149.40			332.00		
	2nd Main road west side		1	152.30			339.00		
	Cross road north side		1	24.60			55.00		
	Cross road south side		1	24.60			55.00		
	BHEL Layout								
	10th CROSS road East side		1	156.20			348.00		
	10th CROSS road WEST side		1	162.10			361.00		
	8th CROSS road WEST side		1	30.40			68.00		
	8th CROSS road EAST side		1	18.60			42.00		
	1st MAIN road NORTH side		1	105.00			234.00		
	1st MAIN road SOUTH side		1	102.80			229.00		
	11th CROSS road East side		1	59.00			132.00		
	11th CROSS road West side		1	59.00			132.00		
	9th CROSS road East side		1	67.00			149.00		
	9th CROSS road WEST side		1	67.00			149.00		
	Hariraja Layout West side		1	86.40			192.00		
	Hariraja Layout East side		1	88.50			197.00		
	Deduction of Kerbs due to Trees, Poles and Shoulders		-1	59.00			-132.00		
							3720.00	477.00	1774440.00
	Approved Rate Rs.=	477.00							
8	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.								
		Sqm							
	Brundhavan Layout								
	1st main road East side		1	154.40		0.30	46.32		
	1st cross road North side		1	24.10		0.30	7.23		
	1st cross road South side		1	32.30		0.30	9.69		

Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
			m	m	m		in Rs	in Rs
1st Main road West side		1	165.50		0.30	49.65		
2nd Main road East side		1	149.40		0.30	44.82		
2nd Main road west side		1	152.30		0.30	45.69		
Cross road north side		1	24.60		0.30	7.38		
Cross road south side		1	24.60		0.30	7.38		
BHEL Layout								
10th CROSS road East side		1	156.20		0.30	46.86		
10th CROSS road WEST side		1	162.10		0.30	48.63		
8th CROSS road WEST side		1	30.40		0.34	10.34		
8th CROSS road EAST side		1	18.60		0.33	6.14		
1st MAIN road NORTH side		1	105.00		0.30	31.50		
1st MAIN road SOUTH side		1	102.80		0.30	30.84		
11th CROSS road East side		1	59.00		0.30	17.70		
11th CROSS road West side		1	59.00		0.30	17.70		
9th CROSS road East side		1	67.00		0.30	20.10		
9th CROSS road WEST side		1	67.00		0.30	20.10		
Hariraja Layout West side		1	86.40		0.30	25.92		
Hariraja Layout East side		1	88.50		0.30	26.55		
Deduction of Kerbs due to Trees, Poles and Shoulders		-1	56.00		0.30	-16.80		
						503.69	84.80	42729.87
Approved Rate Rs =	84.80							
							Sub Total 1 Rs.	14677628.43
							Miscellaneous & Rounding off	2543.10
							Total Rs.	14680171.53

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Sattelite Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP - 560064

Accorded For Rs.14680171.53
Head of A/C 0.32.49
CER NO : 50 Dt 22.09.2021